

SPLIT PHASE LV SERIES

120V / 240V / 208V Off-Grid Solar Inverter

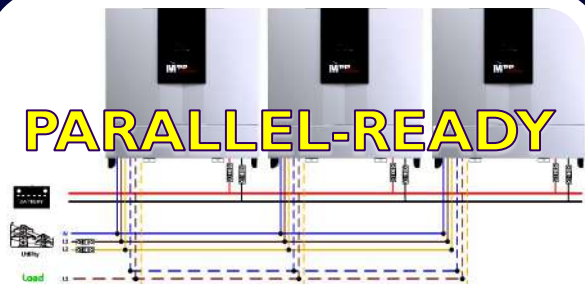
Suitable for use in USA/Puerto Rico, and Canada where split phase power standard is used.



MAIN FEATURES

- **Versatile AC output modes: single phase 120V, split phase 240V, and 3-phase 208V**
- **Pure sine wave output 5KW / 48VDC**
- **Dual MPPT Input up to 160A max charge**
- **Max PV input power up to 8KW (4KW*2)**
- **Utility charging up to 60A max**
- **Max total system charging up to 220A**
- **Parallel operation up to 3 units max**
- **Genset starter dry contact***
- **Programmable parameters**
- **Ideal for Off-Grid or Grid-backup application**
- **Easy to install**
- **FREE monitoring software**
- **LCD Display + LED indicators**
- **USB, RS232 communication interface**

PARALLEL-READY



*requires inverter-type generator of acceptable output quality

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Single Phase L1-N / L2-N = 120V



Split Phase / 3-Phase L1-L2 = 208V



Split Phase L1-L2 = 240V



Split Phase LV SERIES

LV 5048

STANDARD RATING

Continuous Output	5000W
System DC Volt	48VDC
AC Input Voltage	110 / 120VAC (Phase - Neutral)
Maximum Parallel	Up to 3 units

PV INPUT / SOLAR CHARGING

Max PV Input Power	8000W (4000W each input)
Max PV Input Volt	145VDC (open circuit Voc)
MPPT Range	60 - 110VDC
Number of PV Input	2
Max Charging Current	160A (80A X 2)

OUTPUT MODE

Output Waveform	Pure Sine Wave
AC Output Mode	120V L-N / 240V L1-L2 / 208V L1-L2 3-Phase
Frequency	50 / 60Hz, auto-sensing
Max Bypass Current	40A
Max Efficiency	>90%
Max Utility Charging	60A
Max Utility + Solar Charging	220A
Max Bulk/Float Charge	58.4V

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Communication Port	USB / RS232 / Dry Contact
Operating Temp.	0 - 50°C
Operating Humidity	0 - 90% RH (No Condensing)
Dimension	623*610*130mm
Net Weight	30Kg

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